

Abstract

5 **REDUCING THE NUMBER OF COMPOSITING OPERATIONS PERFORMED IN**
 A PIXEL SEQUENTIAL RENDERING SYSTEM

Apparatus 20 is disclosed for rendering an object-based image one pixel at a time in scanline
order. The apparatus 20 comprises an optimisation module 550 for generating a set of
10 compositing messages during a first pixel in a run of pixels between adjacent edges of one or
two objects, and for generating a reduced set of compositing messages from the set during
subsequent pixels in the run of pixels. The apparatus 20 further comprises a pixel
compositing module 700 which in addition to compositing the first pixel in the run of pixels
also stores a result or partial result of the compositing of the first pixel. The pixel
15 compositing module 700 utilises the reduced set of compositing messages and the stored
result or partial result to composite pixels in the run subsequent to the first pixel.

Fig. 3.

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